

NAME:

STUDENT #:

COMPUTER ENGINEERING PROGRAM

| Course Name | Previous # | Course # | Term | Grade | CHECK |
|--|---------------|---------------|------|-------|-------|
| Structure and Modelling in Chemistry | | CHEM 1300 (3) | | | |
| Computer Programming for Scientists and Engineers | | COMP 1012 (3) | | | |
| Engineering Design | 130.140 (4) | ENG 1430 (3) | | | |
| Introduction to Statics | 130.135 (4) | ENG 1440 (3) | | | |
| Introduction Electrical and Computer Engineering | 130.118 (4) | ENG 1450 (3) | | | |
| Introduction Thermal Sciences | | ENG 1460 (3) | | | |
| Classical and Linear Algebra | | MATH 1210 (3) | | | |
| Applied Calculus 1 | | MATH 1510 (3) | | | |
| Applied Calculus 2 | | MATH 1710 (3) | | | |
| Physics 1 | | PHYS 1050 (3) | | | |
| <i>Written English Course for Engineering Students (3)</i> | ENGL 1400 (3) | | | | |

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|--|---------------|--------------------------|--|--|--|
| Ecology, Technology and Society | 24.369 | ANTH 2430 (3) | | | |
| Engineering Economics | CIVL 4050 (3) | ENG 3000 (3) | | | |
| Computer Science 2 | | COMP 1020 (3) | | | |
| Data Structures and Algorithms | | COMP 2140 (3) | | | |
| Operating Systems | | COMP 3430 (3) | | | |
| Engineering Communications | ENG 2010 (3) | ENG 2030 or ENG 2040 (3) | | | |
| Engineering Mathematical Analysis 1 | MATH 2100 (4) | MATH 2130 (3) | | | |
| Engineering Mathematical Analysis 2 | MATH 2110 (4) | MATH 2132 (3) | | | |
| Engineering Mathematical Analysis 3 | MATH 3100 (3) | MATH 3132 (3) | | | |
| Discrete Math | | MATH 3120 (3) | | | |
| Modern Physics for Engineers | | PHYS 2152 (3) | | | |
| Modern Statistics for Engineers | 5.250 | STAT 2220 (3) | | | |
| Electronics 2E | | ECE 2160 (5) | | | |
| Digital Logic | | ECE 2220 (5) | | | |
| Electric Circuits | ECE 2260 | ECE 2262 (4) | | | |
| Microprocessing Systems | | ECE 3610 (4) | | | |
| Telecommunication Network Engineering | | ECE 3700 (4) | | | |
| System Engineering Principles 1 | | ECE 3740 (4) | | | |
| Digital System Design 1 | | ECE 3760 (4) | | | |
| Signal Processing 1 | | ECE 3780 (4) | | | |
| Engineering Algorithms | | ECE 3790 (4) | | | |
| Microprocessor Interfacing | | ECE 4240 (4) | | | |
| Group Design Project | | ECE 4600 (6) | | | |
| Signal Processing 2 | | ECE 4830 (4) | | | |
| <i>Natural Science Elective</i> | Group A B | | | | |
| <i>Natural Science Elective</i> | Group A B | | | | |
| <i>Complementary Studies Elective (3) (1 of 2)</i> | | | | | |
| <i>Complementary Studies Elective (3) (2 of 2)</i> | | | | | |

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|--|------------|---|------|-------|-------|
| GENERAL PROGRAM ELECTIVES | | | | | |
| | | <i>Applies to students who are not completing one of the three focus areas.</i> | | | |
| Communication Systems or Control Systems | | ECE 4260 or ECE 4150 (4) | | | |
| <i>Technical Elective* [1 of 5]</i> | | | | | |
| <i>Technical Elective* [2 of 5]</i> | | | | | |
| <i>Technical Elective* [3 of 5]</i> | | | | | |
| <i>Technical Elective* [4 of 5]</i> | | | | | |
| <i>Technical Elective* [5 of 5]</i> | | | | | |

| COMPUTER NETWORKS AND COMMUNICATIONS FOCUS AREA | | | | | |
|--|--|--------------|--|--|--|
| Communication Systems | | ECE 4260 (4) | | | |
| <i>Computer Networks Elective [1 of 3]</i> | | | | | |
| <i>Computer Networks Elective [2 of 3]</i> | | | | | |
| <i>Computer Networks Elective [3 of 3]</i> | | | | | |
| <i>Technical Elective* [1 of 2]</i> | | | | | |
| <i>Technical Elective* [2 of 2]</i> | | | | | |

| EMBEDDED SYSTEMS FOCUS AREA | | | | | |
|---|--|--------------|--|--|--|
| Control Systems | | ECE 4150 (4) | | | |
| <i>Embedded Systems Elective [1 of 3]</i> | | | | | |
| <i>Embedded Systems Elective [2 of 3]</i> | | | | | |
| <i>Embedded Systems Elective [3 of 3]</i> | | | | | |
| <i>Technical Elective* [1 of 2]</i> | | | | | |
| <i>Technical Elective* [2 of 2]</i> | | | | | |

| SOFTWARE ENGINEERING FOCUS AREA | | | | | |
|---|--|--------------------------|--|--|--|
| Communication Systems or Control Systems | | ECE 4260 or ECE 4150 (4) | | | |
| Software Engineering 1 | | COMP 3350 (3) | | | |
| <i>Software Engineering Elective (1 of 3)</i> | | | | | |
| <i>Software Engineering Elective (2 of 3)</i> | | | | | |
| <i>Software Engineering Elective (3 of 3)</i> | | | | | |
| <i>Technical Elective*</i> | | | | | |

* A maximum of two (2) Electrical Engineering technical electives may be taken as part of the Computer Engineering Program.

| NOTES | Term Assessments | | |
|-------------------------|-------------------------|---------------|---------------|
| | 201790 | 201810 | 201850 |
| | | | |
| | 201890 | 201910 | 201950 |
| | | | |
| | 201990 | 202010 | 202050 |
| | | | |
| | 202090 | 202110 | 202150 |
| | | | |
| | 202190 | 202210 | 202250 |
| Graduation Date: | | | |